

## Nor bis-indol compounds usabl as medicaments

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### Abstract

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Compounds with antitumoral activity corresponding to the formula (I):  (I) wherein R'1 is a hydrogen atom or an alkoxy, acyl, formyl or haloacyl radical; R'2 is a hydrogen atom or an alkyl radical; R'3 and R"3 are a hydrogen atom, hydroxyl radical or an alkanoyloxy radical, and together are a carbonyl group, and R'3 and R"3 together are an epoxy bridge or a double bond; R'4 is a hydrogen atom or an alkyloxycarbonyl, hydroxymethyl, alkanoyloxymethyl or acetamido radical; R'5 and R"5 are a hydrogen atom or a hydroxyl, alkanoyloxy, ethyl or 2-hydroxyethyl radical; R'6 is a hydrogen atom or an ethyl, 2-hydroxyethyl or acetyl radical; R1 is a hydrogen atom or an alkyl, formyl or acyl radical; R2 is a hydrogen atom or alkoxy radical; R3 is a hydrogen atom or a hydroxyl or alkanoyloxy radical, and together with R4 is an epoxy bridge or a double bond; R4 is a hydrogen atom or a hydroxyl, alkanoyloxy radical, and together with R5 is an epoxy bridge; R6 is an alkyloxycarbonyl, hydrazido, acetamido, hydroxymethyl or alkanoyloxymethyl radical; and R5 and R7 are a hydrogen atom or a hydroxyl and alkanoyloxy radical; acid addition and quaternary ammonium salts thereof and 12-chloro derivatives thereof.

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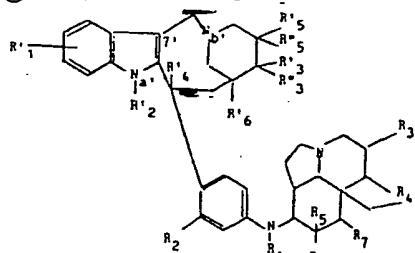
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(54) Composés bis-indoliques, compositions pharmaceutiques les contenant, procédé pour leur préparation et composés intermédiaires.

(57) Composés de formule



dans laquelle:

R'<sub>1</sub> représente un atome d'hydrogène ou un radical alcoxy, acyle, formyle ou halogénoacyle.  
 R'<sub>2</sub> représente un atome d'hydrogène, ou un radical alcoyle,

R', et R'', identiques ou différents, représentent un atome d'hydrogène ou un radical hydroxyle, alcanoxyloxe, éthyle ou hydroxy-2-éthyle, R<sub>6</sub> représente un atome d'hydrogène ou un radical éthyle, hydroxy-2 éthyle ou acétyle, R<sub>1</sub> représente un atome d'hydrogène ou un radical alcoyle, formyle ou acyle, R<sub>2</sub> représente un atome d'hydrogène ou un radical alcoxy,

R<sub>3</sub> représente un atome d'hydrogène ou un radical hydroxyle ou alcanoxyloxe ou bien R<sub>3</sub> et R<sub>4</sub> forment ensemble un pont époxy ou une double liaison, R<sub>4</sub> représente un atome d'hydrogène ou un radical hydroxyle, alcanoxyloxe ou bien R<sub>1</sub> et R<sub>2</sub> forment ensemble un pont époxy,

R<sub>6</sub> représente un radical alcoyoxy carbonyle, hydrazido, acétamido, hydroxyméthyle ou alcanoxyloxyméthyle, R<sub>5</sub> et R<sub>7</sub> représentent un atome d'hydrogène ou un radical hydroxyde ou alcanoxyloxe, ainsi que leurs sels d'addition avec les acides et leurs sels d'ammonium quaternaire et les 12 chloro dérivés. Les composés sont préparés à partir de dérivés ayant la structure de

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R', R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub>, R<sub>13</sub>, R<sub>14</sub>, R<sub>15</sub>, R<sub>16</sub>, R<sub>17</sub>, R<sub>18</sub>, R<sub>19</sub>, R<sub>20</sub>, R<sub>21</sub>, R<sub>22</sub>, R<sub>23</sub>, R<sub>24</sub>, R<sub>25</sub>, R<sub>26</sub>, R<sub>27</sub>, R<sub>28</sub>, R<sub>29</sub>, R<sub>30</sub>, R<sub>31</sub>, R<sub>32</sub>, R<sub>33</sub>, R<sub>34</sub>, R<sub>35</sub>, R<sub>36</sub>, R<sub>37</sub>, R<sub>38</sub>, R<sub>39</sub>, R<sub>40</sub>, R<sub>41</sub>, R<sub>42</sub>, R<sub>43</sub>, R<sub>44</sub>, R<sub>45</sub>, R<sub>46</sub>, R<sub>47</sub>, R<sub>48</sub>, R<sub>49</sub>, R<sub>50</sub>, R<sub>51</sub>, R<sub>52</sub>, R<sub>53</sub>, R<sub>54</sub>, R<sub>55</sub>, R<sub>56</sub>, R<sub>57</sub>, R<sub>58</sub>, R<sub>59</sub>, R<sub>60</sub>, R<sub>61</sub>, R<sub>62</sub>, 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